

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :

JOSHO KASHIWAME : ATTN: APPLICATION DIVISION

SERIAL NO: NEW U.S. APPLICATION :

FILED: HEREWITH :

FOR: URETHANE (METH)ACRYLATE :
OLIGOMER, PROCESS FOR ITS
PRODUCTION AND
PHOTO-CURABLE
COMPOSITION

PRELIMINARY AMENDMENT

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Prior to examination on the merits, please amend this application as follows:

IN THE SPECIFICATION

Page 1, line 1, delete the heading in the entirety and insert therefor:

TITLE OF THE INVENTION

line 4, delete the heading in the entirety and insert therefor:

BACKGROUND OF THE INVENTION

Field of the Invention

line 14, delete the heading in the entirety and insert therefor:

DESCRIPTION OF THE BACKGROUND

Page 3, after line 17, insert the heading:

SUMMARY OF THE INVENTION

Page 4, line 1, delete the heading and insert therefor:

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

line 18, delete the heading in the entirety.

IN THE CLAIMS

6. (New) The urethane (meth)acrylate oligomer according to Claim 1, wherein the polyoxyalkylene polyol has a total degree of unsaturation, V_{us} (meq/g), satisfying the formula 2:

$$V_{us} \leq (0.45/V_{OH}) + 0.01 \quad \text{formula 2.}$$

7. (New) The urethane (meth)acrylate oligomer according to Claim 1, wherein the polyoxyalkylene polyol has a total degree of unsaturation, V_{us} (meq/g), satisfying the formula 3:

$$V_{us} \leq (0.45/V_{OH}) \quad \text{formula 3.}$$

8. (New) The urethane (meth)acrylate oligomer according to Claim 1, wherein the hydroxylated (meth)acrylate compound (C) comprises hydroxyalkyl acrylate, wherein the alkyl group is C_1 - C_{10} alkyl.

9. (New) The urethane (meth)acrylate oligomer according to Claim 8, wherein the alkyl group is C_1 - C_6 alkyl.

10. (New) The urethane (meth)acrylate oligomer according to Claim 9, which is 2-hydroxyethyl acrylate or 2-hydroxypropyl acrylate.

11. (New) The urethane (meth)acrylate oligomer according to Claim 1, having a viscosity of from 5400 to 8200.

12. (New) The urethane (meth)acrylate oligomer according to Claim 1, having a tensile strength of from 43 to 74.

13. (New) The urethane (meth)acrylate oligomer according to Claim 1, having a break elongation of from 320 to 560.

REMARKS

Claims 6-13 have been added. Hence, Claims 1-13 are now active in this case.

The specification headings have been changed to comply with standard U.S. format. New Claims 6-13 have been added, and are each supported by the present specification. No new matter has been added.

Accordingly, it is believed that the present application is now in condition for examination on the merits.

Favorable consideration is earnestly solicited.

Respectfully submitted,

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IN THE SPECIFICATION

Page 1, line 1, delete the heading in the entirety and insert therefor:

--[DESCRIPTION] TITLE OF THE INVENTION--

line 4, delete the heading in the entirety and insert therefor:

--[TECHNICAL FIELD] BACKGROUND OF THE INVENTION

Field of the Invention--

line 14, delete the heading in the entirety and insert therefor:

--[BACKGROUND ART] DESCRIPTION OF THE BACKGROUND--

Page 3, after line 17, insert the heading:

--SUMMARY OF THE INVENTION--

Page 4, line 1, delete the heading and insert therefor:

--[DISCLOSURE OF THE INVENTION] DETAILED DESCRIPTION OF THE

PREFERRED EMBODIMENTS--

line 18, delete the heading in the entirety as follows:

--[BEST MODE FOR CARRYING OUT THE INVENTION]

IN THE CLAIMS

Please add new Claims 6-13.